



US 20210182832A1

(19) **United States**(12) **Patent Application Publication**  
**YEUNG et al.**(10) **Pub. No.: US 2021/0182832 A1**(43) **Pub. Date: Jun. 17, 2021**(54) **TRANSFERRING OWNERSHIP OF  
PHYSICAL OBJECTS AND DIGITAL  
COUNTERPARTS USING A DISTRIBUTED  
LEDGER AND DIGITAL TOKENS ON  
PHYSICAL OBJECTS**(71) Applicant: **Disney Enterprises, Inc.**, Burbank, CA  
(US)(72) Inventors: **Jason A. YEUNG**, Glendale, CA (US);  
**Clifford WONG**, Burbank, CA (US);  
**Elliott H. BAUMBACH**, Porter Ranch,  
CA (US); **Michael P. GOSLIN**,  
Sherman Oaks, CA (US); **Tritia V.  
MEDRANO**, Rowland Heights, CA  
(US); **Nathan D. NOCON**, Valencia,  
CA (US); **Stephen A. THORNTON**,  
Burbank, CA (US)(21) Appl. No.: **16/714,394**(22) Filed: **Dec. 13, 2019****Publication Classification**(51) **Int. Cl.**  
**G06Q 20/32** (2006.01)  
**G06Q 20/36** (2006.01)  
**G06Q 20/06** (2006.01)  
(52) **U.S. Cl.**  
CPC ..... **G06Q 20/3278** (2013.01); **G06Q 20/0658**  
(2013.01); **G06Q 20/3678** (2013.01)(57) **ABSTRACT**

Embodiments provide for managing ownership of physical objects and digital counterparts using a distributed ledger and tokens stored on the physical objects. An example method generally includes reading, via a wireless data connection between a physical object and a mobile device, a token stored on the physical object. The token may include at least a unique identifier of the physical object. A request to transfer ownership of the physical object to an owner of the mobile device is generated, and the request may include at least the unique identifier of the physical object. The generated request is transmitted to a distributed ledger system, and a response is received from the distributed ledger system indicating whether the transfer was successful. The indication of whether the transfer was successful is displayed on the mobile device.

